

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

Class	Surfclim
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

SUBJECT CLASSIFICATION

PATENT NUMBER

U.S. UTILITY Patent Application

O.I.P.E.

PATENT DATE

SCANNED

מ'ס

APPLICATION NO.
09/729118

CONT/PRIOR

CLASS	DATE	TIME	INSTRUCTOR	ROOM	STATUS
101	10/10/2023	9:00 AM	Dr. Smith	Room 101	Full
102	10/10/2023	10:00 AM	Dr. Jones	Room 102	Full
103	10/10/2023	11:00 AM	Dr. Brown	Room 103	Full
104	10/10/2023	12:00 PM	Dr. Green	Room 104	Full
105	10/10/2023	1:00 PM	Dr. White	Room 105	Full
106	10/10/2023	2:00 PM	Dr. Black	Room 106	Full
107	10/10/2023	3:00 PM	Dr. Gray	Room 107	Full
108	10/10/2023	4:00 PM	Dr. Blue	Room 108	Full
109	10/10/2023	5:00 PM	Dr. Red	Room 109	Full
110	10/10/2023	6:00 PM	Dr. Purple	Room 110	Full
111	10/10/2023	7:00 PM	Dr. Yellow	Room 111	Full
112	10/10/2023	8:00 PM	Dr. Orange	Room 112	Full
113	10/10/2023	9:00 PM	Dr. Pink	Room 113	Full
114	10/10/2023	10:00 PM	Dr. Brown	Room 114	Full
115	10/10/2023	11:00 PM	Dr. Green	Room 115	Full
116	10/10/2023	12:00 AM	Dr. White	Room 116	Full
117	10/10/2023	1:00 AM	Dr. Black	Room 117	Full
118	10/10/2023	2:00 AM	Dr. Gray	Room 118	Full
119	10/10/2023	3:00 AM	Dr. Blue	Room 119	Full
120	10/10/2023	4:00 AM	Dr. Red	Room 120	Full
121	10/10/2023	5:00 AM	Dr. Purple	Room 121	Full
122	10/10/2023	6:00 AM	Dr. Yellow	Room 122	Full
123	10/10/2023	7:00 AM	Dr. Orange	Room 123	Full
124	10/10/2023	8:00 AM	Dr. Pink	Room 124	Full
125	10/10/2023	9:00 AM	Dr. Brown	Room 125	Full
126	10/10/2023	10:00 AM	Dr. Green	Room 126	Full
127	10/10/2023	11:00 AM	Dr. White	Room 127	Full
128	10/10/2023	12:00 PM	Dr. Black	Room 128	Full
129	10/10/2023	1:00 PM	Dr. Gray	Room 129	Full
130	10/10/2023	2:00 PM	Dr. Blue	Room 130	Full
131	10/10/2023	3:00 PM	Dr. Red	Room 131	Full
132	10/10/2023	4:00 PM	Dr. Purple	Room 132	Full
133	10/10/2023	5:00 PM	Dr. Yellow	Room 133	Full
134	10/10/2023	6:00 PM	Dr. Orange	Room 134	Full
135	10/10/2023	7:00 PM	Dr. Pink	Room 135	Full
136	10/10/2023	8:00 PM	Dr. Brown	Room 136	Full
137	10/10/2023	9:00 PM	Dr. Green	Room 137	Full
138	10/10/2023	10:00 PM	Dr. White	Room 138	Full
139	10/10/2023	11:00 PM	Dr. Black	Room 139	Full
140	10/10/2023	12:00 AM	Dr. Gray	Room 140	Full
141	10/10/2023	1:00 AM	Dr. Blue	Room 141	Full
142	10/10/2023	2:00 AM	Dr. Red	Room 142	Full
143	10/10/2023	3:00 AM	Dr. Purple	Room 143	Full
144	10/10/2023	4:00 AM	Dr. Yellow	Room 144	Full
145	10/10/2023	5:00 AM	Dr. Orange	Room 145	Full
146	10/10/2023	6:00 AM	Dr. Pink	Room 146	Full
147	10/10/2023	7:00 AM	Dr. Brown	Room 147	Full
148	10/10/2023	8:00 AM	Dr. Green	Room 148	Full
149	10/10/2023	9:00 AM	Dr. White	Room 149	Full
150	10/10/2023	10:00 AM	Dr. Black	Room 150	Full
151	10/10/2023	11:00 AM	Dr. Gray	Room 151	Full
152	10/10/2023	12:00 PM	Dr. Blue	Room 152	Full
153	10/10/2023	1:00 PM	Dr. Red	Room 153	Full
154	10/10/2023	2:00 PM	Dr. Purple	Room 154	Full
155	10/10/2023	3:00 PM	Dr. Yellow	Room 155	Full
156	10/10/2023	4:00 PM	Dr. Orange	Room 156	Full
157	10/10/2023	5:00 PM	Dr. Pink	Room 157	Full
158	10/10/2023</				

SUBCLASS

ART UNIT

EXAMINED

James Cawse

III

Permeable reactor plate and method

PTO-2040
12/89

ISSUING CLASSIFICATION

ORIGINAL

CROSS REFERENCE(S)

CLASS:

MURCIANO



SUBCLASS (ONE SUBCLASS PER BLOCK)

INTERNATIONAL CLASSIFICATION

— Continued on Issue Slip Inside File Jacket

☐ **TERMINAL
DISCLAIMER**

DRAWINGS

CLAIMS ALLOWED

Shells Drive

Flag, Drive.

Print Env.

Total Claims

Print Claim for Q G

The term of this patent subsequent to _____ (date) has been disclaimed.

☐ The term of this patent shall not extend beyond the expiration date of U.S. Patent No.

☐ The terminal _____ months of this patent have been disclaimed.

NOTICE OF ALLOWANCE MAILED

ISSUE FEE

Amount Due

Date Paid

ISSUE BATCH NUMBER

WARNING:

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 360. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form **PTO-4S8A**
(Rev. 8/99)

FILED WITH: ☐ DISK (CRF) ☐ FICHE ☐ CD-ROM
(Attached in packet on right in this box)